

IN THE SPECIFICATION:

Please amend paragraph [0021] as follows:

As shown in Figure 6, the fuel cell assembly or device, generally indicated at 80 basically comprises a substrate/host structure 81, a manifold substrate 82 bonded to substrate 81 at 83, a porous thick-film layer 84 located on or within substrate 81, and a thin-film fuel cell stack generally indicated at 85 located on layer 84. The fuel cell stack 85 includes an electrode 86, an electrolyte 87, an electrode 88, and a heater element, not shown, but which may be constructed as in the Figure 3 embodiment, which shows a heater 50 between electrodes 46 and 54. Continued reference is made to Figure 6. Alternatively, the heater element may be formed on top of the substrate/host structure 81 or within the porous thick film layer 84, so long as it is electrically isolated from the electrodes 86 or 88. The substrate/host structure 81 includes a number of vertical channels or pores 89 which are in open communication with manifold channels 90 in substrate 82. The porous thick-film layer 84 includes numerous pores 91 which are in open communication with channels 89 of substrate 81. If the porous thick film layer 84 is mechanically strong enough and allows sufficient flow of fuel through to the fuel cell stack 80, it can be directly bonded or mechanically sealed to the manifold substrate 82 with pores 91 in open communication with manifold channels 90. The substrate 82 includes an opening or passageway forming a fuel inlet not shown in the Figure 6, but similar to the fuel inlet 72 of Figure 5, in open communication with the plurality of manifold channels 90, which is adapted to be connected to a fuel source 94 via connector 95. Note that the substrate/host structure 81 is etched such that the porous thick film 84 aligns with the pores 89

of the host structure 81 enabling fuel to flow to the fuel cell stack 80 and preventing fuel from flow elsewhere. Additionally shown in Figure 6 is a package 96 and seals 97 which enable the manifold substrate 82, host structure/substrate 81 and porous thick film layer 84 supporting fuel cell stack 80 to be assembled and mechanically sealed. If the substrate 82 is positioned such that the pores 90 are in open communication with the bottom portion of the package 96, the package 96 may include an opening or passageway forming a fuel inlet 92 which is adapted to be connected to a fuel source 94 via connector 95.